

MYCETES ARGENTINENSES

AUCTORE

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(SERIES I)

4. LEPIOTA OCHROLEUCA Speg., n. sp.

Diag. *Clypeolaria*, *caespitosa*, *pileo e campanulato expanso*, *grosse obscureque umbonato*, *ex ochroleuco flavescente*, *dense minuteque granuloso-squarruloso*, *non striato*, *lamellis pallidioribus confertis subaridis utrimque acutis a stipite remotis*, *stipite ex albo flavido terete basin versus incrassatulo subglabro*, *annulo mobili subevanido candido ornato*.

Hab. In umbrosis pinguibus hortorum, La Plata, Dec. 1898.

Obs. Caespitosa, e terra erumpens. Pileus primo subglobosus ochroleucus v. flavescens minute denseque granuloso- v. squarruloso-pulverulentus, centro magis obscurus et sordidus laevis, ambitu pallidior et laxius pulverulentus, margine stipite adpressus atque velo connatus, dein campanulato-explanatus (30-45 mm diam.) ochroleucus, non v. obtuse latissimeque umbonatus, carnosulus, rigidulus, cute dense minute subconcentrice e pulverulento squamuloso-rimulosa, margine tenui membranaceo integro non striato subinvoluta ornatus; caro ex albo flavescens subexsucca compactiuscula mollis, in umbone (2 mm crass.) et in dimidia pilei parte centrali sat evoluta ambitu nulla sed pileo non striato nec sulcato. Lamellae sat numerosae, a stipite valde remotae, utrimque attenuato-acutatae, medio parum latae (2 mm lat.), pileo concolores v. pallidiores; areola ad apicem stipitis latissima (2 mm lat.) non marginata. Stipes erectus rectus v. flexuosulus (50 mm

long.) superne teres (4 mm crass.) pileo vix pallidior, glaber v. laxissime pulverulentus, deorsum subfusoideo-incrassatus (6-8 mm crass.) glaber v. vix pruinulosus flavescens, apice a pileo discreto, ad tertium superum annulo tenuissime membranaceo descendente mobili facillime evanido flavescente ornatus, intus plus minusve late fistulosus cavitate fibris albo-gossypinis farcta. Sporae albae. Odor farinaceus.

Species non marcescens sed corrugato-arescens, *L. hiathuloidi* Speg. valde affinis, sed magis carnosa et pileo non striato.

2. *TRICHOLOMA ARGYROPOTAMICUS* Speg., n. sp.

Diag. *Pileus carnosus hemisphaericus, dense squamuloso-flocculosus cinereus, ambitu integer albus subnudus, margine lamellas excedens, lamellis relaxatis crassis ex albo roseis sinuatis non v. vix adnatis, stipite farcto apice laevi basique subsquamuloso subincrassato albo.*

Hab. Ab terram denudatam pinguem in Parque de La Plata, Mart. 1898.

Obs. Pileus hemisphaericus convexus (43-50 mm diam.) carnosus, cute sicca flocculosa cinerascens centro reticulato-diffracta, ceterum subsquamulosa, ambitu nuda alba, margine (1 mm) lamellas excedente tectus; caro (10 mm crass. ad centr.) alba immutabilis compacta, sapore terreo dulci-acri, ad marginem usque producta. Lamellae (6 mm lat.) relaxatae 3- macrae rigidulo-fragiles crassiusculae, acie integerrimae, antice acutato-rotundatae, postice sinuato-adnatae; stipes (50 mm crass.), teres apice leniter incrassatus (8 mm crass.), deorsum iterum incrassatus sed ima basi attenuato-obtusatus (5 mm crass.), farctus, carnosus-fibrosus, intus albus, extus superne laevis subnitens, medio subannulatus, postice minute squamulosus v. fufurellus ac fuscescens, sub parte inflata fibrilloso-striatus ac flavescens. Sporae...

3. *OMPHALIA ARECHAVALETAI* Speg., n. sp.

Diag. *Umbraculifera, subsolitaria terrestris, pileo convexulo exumbonato subcoccineo glabro laevi, carne citrina, lamellis primo citrinis dein subglaucescentibus, stipite fistuloso compressulo basi attenuato e livido-aurantio subglaucescente, sporis laevibus ovatis.*

Hab. Ad terram in pratis editioribus prope Montevideo, Maj. 1898
(leg. Cl. J. J. Arechavaleta).

Obs. Solitaria v. paucigregaria. Pileus hemisphaericus (10-15 mm diam.) convexus, carnosulus, exumbonatus, centro glaber v. pulvisculo heterogeneo adpersus, margine integer, in juventute subinvolutus; caro tenuis flocculosa citrina; lamellae subangustae atque subconfertiusculae, acie integrae polymacriae, antice acutae postice truncato-adnatae denticuloque breviter decurrentes, primo citrinae, dein nubecula ex albo violascentē velatae; stipes erectus flexuosulus, saepius compressus saepeque longitudinaliter grosse parceque sulcatus (20-25 mm long. = 2,5-5 mm crass.) basi attenuatus apice abrupte in pileo expansus, glaber laevis, inferne citrinus, medio flavus, superne aurantius et saepe glauco-pruinulosus, intus latissime fistulosus. Sporae ovatae v. ellipticae (12 μ long. = 6-7 μ diam.) nubiloso-farctae, hyalinae.

4. *CLAUDOPUS ARGENTINENSIS* Speg., n. sp.

Diag. Major, hemisphaericus, vix inaequilateralis subargenteus, pileo vix centro carnosus, lamellis latis confertis a stipite remotis ex albo roseo-carneis, stipite farcto elongatulo albo-fibrilloso v. subreticulato.

Hab. Ad truncos emortuos putrescentes *Eucalypti globuli*, Parque de La Plata, Mart. 1898.

Obs. Pileus irregulariter orbicularis (8-9 cm diam.) et leniter inaequilateralis, horizontalis convexus, centro late obtuseque umbonatus margine incurvulus integer v. vix sinuoso-repandulus, cute tenui saepius radiatim minute fibrilloso-rimosa sordide argentea v. subcinerea, in vivo subviscosa, in sicco subsericea vestitus; caro candida immutabilis, in umbone flocculoso-compactiuscula super lamellas tenuissima vix evoluta, cum illa stipitis continua. Lamellae segmentiformes tenuisculae (10-12 mm lat.) membranaceae confertiusculae polymacriae, pro ratione latissimae, antice attenuato-rotundatae, postice abrupte subtruncato-rotundatae a stipite remotae, primo albae, dein roseae, postremo pallide carneae. Stipes lateralis adscendente-incurvus teres (7-8 cm long. = 6-7 mm crass.), insititius, intus farctus albus, extus albus v. subpallescens saepius plus minusve obsoleteque fibrilloso-reticulatus v. fibrilloso-striatus. Sporae carne aepulverulen-

tae, ovatae, inaequilaterales ($8\ \mu$ long. = $4\ \mu$ lat.) laeves.

5. CERIOMYCES ? STUCKERTI Speg., n. sp.

Diag. *Truncigenus*, *irregulariter subglobosus majusculus, totus intus extusque obscure ferrugineus, basi lignoso-fibrosus compactus radians, ambitum versus relaxatus floccosus, superficialiter pulverulentus, sporis globosis, laevibus intense aurantio-ferrugineis.*

Hab. Ad truncos dejectos putrescentes prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Sessilis, e suberoso lignosus repando-globosus (10-20 cm diam. = 8-12 cm crass.), contextu fibroso-radiante ad basin compacto sublignoso intense fulvo-ferrugineo, ambitu sensim relaxato substupposo; sporae pulverulentae densissime constipatae stratum crassiusculum superficiale (3-8 mm crass.) efficientes pulchre ferrugineae, globosae ($10-15\ \mu$ diam.) episporio crasso laevi vestitae, intus protoplasmate dense minuteque granuloso farctae; saepe adsunt sporae alterae pyriformes ($15-20\ \mu$ long. = $10-14\ \mu$ diam.) antice rotundatae, postice cuneatae atque in pedicello breviusculo attenuatae.

6. OLIGONEMA NITENS Rost. = List, A Mon. of Mycet. f. 173.

Hab. Ad tigillum putrem et terram humosam, Parque de La Plata, Nov. 1898.

Obs. Sporae globosae ($14-15\ \mu$ diam.), laxae reticulato-papillo-sae.

7. PUCCINIA GILLESII Speg., n. sp.

Diag. *Micropuccinia*?; *maculis nullis, soris sparsis erumpentibus minutis irregularibus subpulverulentis atris, teleutosporis ellipticis modice umbonatis, episporio dense verruculoso vestitis, pedicello duplo longiores hyalino fultis.*

Hab. Ad folia viva *Salviae Gillesii* in montanis prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Maculae nullae; acervuli amphigeni sparsi rarius paucigregarii sed non confluentes difformes (0,5-1,5 mm diam.) erumpenti-prominuli aterrimi subpulverulenti; teleutosporae ellipticae v. subobovatae ($40-45\ \mu$ = $30\ \mu$), medio uniseptatae non v. vix constrictae, episporio crassiusculo apice leniter umbonato et sublaevi, ceterum dense majusculaeque papilloso

- vestitae, subopace atro-fuligineae, pedicello hyalino crassiusculo ($50-75 \mu = 6-8 \mu$) subpersistente fultae.

8. *PUCCINIA STUCKERTI* Speg., n. sp.

Diag. *Micropuccinia?*; *maculis nullis; soris amphigenis hemisphaerico-lenticularibus valde prominulis subpulverulentis, solitariis v. dense gregaris confluentibusque atris; teleutosporis late ellipticis, ubique crasse aequaliterque tunicatis, medio 4-septatis non constrictis, episporio laevi, pulchre ferrugineis, pedicello ipsas aequante hyalino suffultis.*

Hab. Ad folia viva *Gomphrenae* prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Maculae plane nullae; sori quandoque minuti (0,5-1 mm diam.) quandoque ob confluentiam majusculi (2-5 mm diam.) lenticulari-prominuli, amphigeni e pulverulento compactiusculi atris; teleutosporae ellipticae v. subobovatae, utrimque obtusissimae, laeves (34μ long. = $25-26 \mu$ diam.), episporio crassiusculo ubique aequali vestitae, medio 4-septatae sed non constrictae, loculis saepius 4-guttulatis, intense ferrugineae, pedicello mox fluxili crassiusculo ($30-40 \mu = 5-7 \mu$) hyalino fultae.

9. *UROMYCES EUPHORBIAE* Cke & Pk. = Sacc., Syll. fung. VII, 2, f. 556.

Hab. Sat vulgatus ad folia viva *Euphorbiae heterophyllae* et *E. Lorentzii* prope Córdoba, Mart. et Apr. 1899 (leg. T. Stuckert).

Obs. Uredosporae globosae ($20-22 \mu$ diam.) pallide ferrugineae laxae minuteque papillosae, teleutosporae obovatae ($18-25 \mu = 18-20 \mu$) dense verruculosae, pedicello hyalino longiore mox fluxili fultae.

10. *MELAMPSORA ARGENTINENSIS* Speg., n. sp.

Diag. *Eumelampsora*; *maculis nullis, soris uredosporicis erumpentibus rufis pulverulentis, uredosporis globosis verruculosis teleutosporicis minimis innato-crustaceis atris, teleutosporis subcylindraceis apice crasse tunicatis fusciscentibusque laevibus.*

Hab. Ad folia, petiolos caulesque vivos *Crotonis hirti* prope Córdoba, Apr. 1899 (leg. T. Stuckert).

Obs. Maculae plane nullae v. partes infectae obsoletissime pallescentes. Sori amphigeni, quandoque sparsi, quandoque circumnantes minuti (0,25 — 0,50 mm diam.), uredosporici erumpenti-prominuli, pulverulenti e rufo aurantiaci, teleutesporici applanati subsclerotiacei innati, omnes plus minusve in eadem parte commixti. Uredosporae globosae (20-25 μ diam.), episporio tenui dense minuteque papilloso vestitae, grosse 1-guttulatae rufo-fumosae; teleutosporae subcylindraceae (60-80 μ long. = 10-15 μ crass.) saepius geminatae e cellula prolifera basali oriundae, infra medium saepe coarctatae, laeves apice truncatae, episporio antice incrassato atque infuscato vestitae. Species *M. helioscopiae* (Prs.) Cast. peraffinis sed notis plurimis ut videtur sat distincta!

11. *AECIDIUM RIBESICOLA* Speg., n. p.

Diag. *Maculis epiphyllis pallescentibus indeterminatis, pseudoperidiis saepius hypophyllis densissime constipatis pulvinulum callosum efficientibus flavescentibus, aecidiosporis globosis laevibus.*

Hab. Ad folia viva *Ribis magellanicus* in montanis prope Lago Nahuel-huapi, Dec. 1897.

Obs. Follicola rarius petioli- v. flori-cola; maculae fere nullae oppositae indeterminatae saepius pallescentes atque concaviusculae; pseudoperidia minuta (0,5-0,7 mm alt. = 0,20 — 0,25 mm diam.) densissime constipata atque pulvinulum sat prominulum superne applanatum ostiolato-alveolatum, margine obtusum repando-orbiculatum (2-6 mm diam.) efficientia, pallide flavescentia; tunica pseudoperidii tenui alba e cellulis hexagonis (25-30 μ diam.) crasse tunicatis, dense minuteque verruculosis efformata; aecidiosporae globosae (22-25 μ diam.) episporio laevissimo tenui hyalino tectae, intus nubiloso-farctae aurantiacae.

12. *UREDO BOOPIDICOLA* Speg., n. sp.

Diag. *Maculis fere nullis, soris parvulis sparsis subhemisphaericis atro-ferrugineis, uredosporis subglobosis laevibus majusculis.*

Hab. Ad folia viva *Boopidis squarrosae* prope Chonkenk-aik, secus Rio Chico, Feb. 1898 (leg. C. Ameghino).

Obs. Foliicola, rarius caulicola; maculae quandoque nullae,

quandoque pallescenti-flavescentes indeterminatae; sori erumpentes hemisphaerici (0,5-4 mm diam.) subcompactiusculi, e ferrugineo atri; uredosporae subglobosae, e mutua pressione obtuse irregulariterque angulosae (25-30 μ long. = 20-30 μ diam.) laeves, tenuiter tunicatae, nubiloso farctae, ferruginae.

13. UREDO ? PRUNI Cast. = Speg., Fung. Arg. n. v. crit., n. 438.

Hab. Ad folia languentia *Persicae vulgaris* prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Species vulgatissima, cujus status teleutosporicus adhuc ignotus est, autumnali tempore per totam Rempublicam, sed in speciminibus cordubensibus adsunt sporae dimorphae; sporae alterae (teleutosporae v. mesosporae?) obovatae, in parte antica v. supera crasse acuteque umbonatae laeves obscureque fuligineae, ceterum laxe majusculaeque papillosae pallidiores, 4-guttulatae (30-40 μ long. = 16-20 μ diam.) pedicello hyalino brevi (10-20 μ = 5-7 μ) mox fluxili fultae; alterae (uredosporae verae!) globosae (18-20 μ diam.) dense grosseque papillosae, tenuiter tunicatae, uniguttulatae pallide fulvae.

14. XYLOPODIUM BONACINAI Speg., n. p.

Diag. *Majusculum album, primo clavatum clausum, dein sursum exoperidio calyptratim denudatum, endoperidio irregulariter laciniato-fisso revolutoque infundibulari dehiscens, gleba pulverulenta isabellina, floccis nullis, sporis globosis chlorinis laevibus.*

Hab. In aridis sabulosis et saxosis secus Rio Colorado prope Fortin Mercedes post pluvias, Majo 1898 (leg. et misit Praecl. Presb. P. Bonacina).

Obs. Fungus pulcherrimus, solitarius v. hinc inde 2-3-gregarius, subito abunde exsurgens atque sat perdurans, magnitudine nonnihil ludens (8-20 cm alt.). Nodulus mycelialis basalis terra infossus e globoso obovatus (2-3 cm long. = 2-2,5 cm diam.) compactiusculus extus subspongiosus granulis arenae implexus; peridium primitus obovatum clausum (3-10 cm long. = 2,5-6 cm diam.) album, laeve v. grosse laxe subconcentrice retrorseque squamoso-rimosum, apice obtuse rotundatum atque in stipite ejusdem longitudinem subaequante (3-8 cm long. = 4-2 cm diam.) terete v. compressulo concolore

longitudinaliter minute striato-sulcato, cortice squamuloso (exoperidii vestigiis) frustulatum secedente tecto, intus farcto coriaceo rigidulo attenuatum, dein exoperidio crassiusculo calyptratim caduco orbatum, endoperidio mox longitudinaliter lacinatim dehiscente, laciniis 5-9 irregulariter linearibus v. lanceolatis flexilibus revolutis, infundibulariter apertum. Gleba subtabacina pulverulenta copiosissima cavum totum endoperidii implectens, sporis minutis globosis (4-5 μ diam.) laevibus chlorinis efformata, floccis omnino destituta.

Species X. *Delestrei* Dur. & Mntgn. valde affinis sed ut videtur satis riteque distincta.

45. COELOSPHAERIA ? PUSILLIMA Speg., n. sp.

Diag. *Superficialis, minutissima, dense gregaria, saepius oblique longiusculeque ostiolata, ascis pusillis clavatis octosporis farcta, sporis biguttulatis hyalinis.*

Hab. Ad ramos denudatos putrescentes *Erythrinae crista-galli* in uliginosis *Insulae Santiago*, prope La Plata, Apr. 1899.

Obs. Maculae nullae v. tota ligni superficies pallescens; perithecia densiuscule gregaria sed non constipata et saepius late diffusa, ligno semiinsculpta, globosa (120-150 μ diam.), ostiolo saepius elongato ipsa aequante obliquo gracili obtuso armata, carbonacea, glabra; asci numerosissimi clavulati, antice obtuse rotundati postice cuneato-attenuati breviterque pedicellati (p. sp. 15 μ = 6 μ \equiv ped. 5-10 = 1-2 μ), octospori paraphysati; sporae botuliformes leniter curvulae, utrimque obtusae atque minute uniguttulatae (4-5 μ = 1 μ) hyalinae.

Species valde singularis a genere ostiolo elongato sat recedens; an melius *Pleurostoma* ?

46. DALDINIA CONCENTRICA (Bolt.) Ces. & DNtrs = Speg., Fung. Puig., f. 139, n. 273.

Hab. Ad truncos dejectos putrescentes in sylvis *Pan de Azúcar*, Uruguay, Apr. 1899 (leg. J. J. Arechavaleta).

47. NEOPECKIA ARGENTINENSIS Speg., n. sp.

Diag. *Laxe gregaria, subsuperficialis, dense sordideque subcinereo-villosa, ascis cylindraceis octosporis, sporis mediocribus 1-septatis non constrictis, fuliginis.*

Hab. Ad ramos dejectos putrescentes *Erythrinae crista-galli* in uliginosis *Insulae Santiago*, prope La Plata, Apr. 1899.

Obs. Matrix in superficie infuscata (an heterogenee?); perithecia sparsa v. laxe gregaria, ovata, basi vix insculpta, apice obtusa, per aetatem saepius irregulariter lateque perforata, fusco-atra, membranacea e carnoso coriacella, contextu parum distincto fuligineo, hyphis septulatis laevibus pallide olivascentibus v. fumosis ($100-150\ \mu = 5-7\ \mu$) crispulis vestita; asci cylindracei, antice obtuse rotundati, postice brevissime noduloseque pedicellati ($125-135\ \mu = 7-8\ \mu$), octospori, aparaphysati?; sporae recte monostichae, cylindraceae, utrimque obtusiuscule rotundatae ($16-17\ \mu = 6\ \mu$) medio 4-septatae, non v. vix subconstrictae, loculis aequilongis grosse 4-guttulatis donatae, laeves, pulchre fuligineae.

48. *HYPOCREA PLATENSIS* Speg., n. sp.

Diag. *Pezizaeformis*, sessilis, margine acuta, disco concaviusculo aurantio laevi, peritheciis immersis minutis, ostiolis non prominulis, ascis cylindraceis octosporis, sporis bilocularibus olivaceis loculis mox secedenti-liberis.

Hab. Ad ramos dejectos putrescentes *Erythrinae crista-galli* in uliginosis *Insulae Santiago* prope La Plata, Apr. 1899.

Obs. Stromata sparsa v. laxe gregaria, orbicularia (2.5 mm diam.), superne concaviuscula v. vix undulata, epunctata, aurantia, margine acuta integra, inferne convexula pallida glaberrima latiuscule adnato-sessilia. Perithecia numerosissima constipata-globulosa (90-100 μ diam.) vix ostiolata, mellea nucleo olivaceo farta; asci cylindracei, antice obtuse rotundati, postice breviter attenuato-pedicellati ($70-90\ \mu = 4-4,5\ \mu$), octospori aparaphysati; sporae recte monostichae, olivaceae, biloculares, loculis mox secedentibus globosis v. subglobosis (3,5-4 μ) laevibus.

Species *H. pezizaeformi* Speg. simillima, sed stromatibus aurantiis sporisque olivaceis sat recedens.

49. *PHYLLOSTICTA SORDIDISSIMA* Speg., n. sp.

Diag. *Maculis orbicularibus determinatis, arescenti-squarrosis sordide cinerascentibus, peritheciis minutis atro-cinereis, sporulis subellipticis biguttulatis majusculis.*

Hab. Ad folia languida *Choristigmatis Stuckertiani* prope Córdoba, Apr. et Maj. 1899 (leg. T. Stuckert).

Obs. Maculae epiphyllae, eximie determinatae, sordide cinereae, centro saepius rimosae v. squarroso-furfuraceae; perithecia in centro macularum parce aggregata sublenticularia (80-90 μ diam.) atro-olivacea v. cinerascens glabra, contextu ostio-
loque parum manifestis; sporulae ellipticae v. ovatae saepe medio coarctatae continuae, utrimque obtusiusculae atque 4-guttulatae (10-15 μ long. = 5-6 μ crass.) hyalinae laeves.

20. *PHYLLOSTICTA STUCKERTI* Speg., n. sp.

Diag. *Maculis minutis orbicularibus determinatis, obscure areolatis, subhyalinis, peritheciis pusillis innatis late ostiolatis, sporulis subcylindraceis majusculis multiguttulatis.*

Hab. Ab folia viva v. languida *Ipomoeae* cujusdam prope Córdoba, Apr. 1899 (leg. T. Stuckert).

Obs. Maculae amphigenae, minutae (0,5-3 mm diam.) sparsae determinatae, areola plus minusve lata purpurascente cinctae; perithecia in maculis saepius centralia pauca minima (100-150 μ diam.) lenticularia, ostiolo maximo (25 μ diam.) perforata, contextu olivaceo parum distincto; sporulae cylindraceae (14-16 μ = 5 μ) rectae v. leniter curvulae, utrimque obtusiusculae, grosse multiguttulatae, hyalinae. A *Phyllostictis* ceteris in Convolvulaceis vigentibus longissime abhorrens.

21. *PYRENOCHAETA THALINI* Speg., n. sp.

Diag. *Maculis amphigenis arescentibus, peritheciis innato-erumpentibus minutissimis, setuloso-ostiolatis, sporulis mediocribus subellipticis hyalinis.*

Hab. Ad folia languida *Thalini* cujusdam prope Córdoba, Apr. 1899 (leg. T. Stuckert).

Obs. Maculae orbiculares, determinatae, ambitu saepius repandulae (3-6 mm diam.) arescentes, concentricè rugosae, per aetatem deciduae et folium perforatum relinquentes; perithecia amphigena in parenchymate macularum immersa, ostiolo papillulato epidermidem perforante atque setulas 3-8 tenues atras opacas acutiusculas simplices (75-80 μ = 3-4 μ) gerente ornata; sporulae ex elliptico naviculares utrimque acutiuscule rotundatae continuae laeves hyalinae (10 μ = 3 μ).

22. SEPTORIA HOOKERI Speg., n. sp.

Diag. *Maculis amphigenis determinatis fuligineis, peritheciis sparsis pusillimis, sporulis cylindraceis arcuatulis obtusis saepius biseptatis.*

Hab. Ad folia languida *Lesagueae Hookeri* prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Maculae sparsae sed in quoque folio numerosae, parvulae (1-3 mm diam.) amphigenae, repando-orbiculares determinatae, obscure sordideque fuligineae, per aetatem saepe centro arescenti-cinerascentes; perithecia in maculis saepius circumstantia aegre perspicua innata vix erumpentia lenticularia (90-100 μ diam.) modice ostiolata, contextu fuligineo indistincto; sporulae cylindraceae v. subclavulatae saepius curvulae, crassiusculae (40-50 μ = 4 μ), utrimque obtusiusculae, 1-3 (saepius 2)-septatae, ad septa non v. vix constrictae hyalinae, laeves.

23. SEPTORIA LYCHICOLA Speg., n. sp.

Diag. *Maculis orbicularibus determinatis subochraceis, peritheciis pusillimis amphigenis, sporulis cylindraceis flexuosis continuis v. 1-septatis.*

Hab. Ad folia languida *Lycii cestroidis* prope Córdoba, Maj. 1899 (leg. T. Stuckert).

Obs. Maculae amphigenae orbiculares (1-5 mm diam.) determinatae, areola angusta obscuriore saepius cinctae pallide ochraceae v. isabellinae; perithecia minutissima, innato-prominula, pauca in quoque macula subperipherica e globoso lenticularia (50-80 μ diam.), atro-olivacea, contextu ostioloque parum perspicuis; sporulae lineares angustae subobtusiusculae (25-30 μ long. = 1,5-2 μ crass.) hyalinae laeves, flexuosulae, continuae v. 1-septatae, ad septum non constrictae.

24. SEPTORIA STUCKERTIANA Speg., n. sp.

Diag. *Maculis orbicularibus determinatis sordide fusco-cinerascentibus, peritheciis epiphyllis minimis, sporulis subclavulato-filiformibus continuis.*

Hab. Ad folia languida *Bidentis bipinnatae* in herbosis prope Córdoba, Apr. 1899 (leg. T. Struckert).

Obs. Maculae amphigenae parvulae (2-5 mm diam.) ambitu re-

pandulae v. saepe angulosae, determinatae, saepe concentrice rugosae, fuscae, centro saepe cinerascenti-pallidiores; perithecia saepius epiphylla, lenticularia (60-80 μ diam.) atra, contextu parenchymatico olivaceo donata, ostiolo minuto-perforata; sporulae rectae v. curvulae (50-55 μ = 2-3 μ) hyalinae continuae, utrimque acutiusculae. A *S. bidentis* Sacc. longissime abhorrens.

25. *CERCOSPORELLA PERONOSPOROIDES* Speg., n. sp.

Diag. *Maculis amphigenis indeterminatis subflavescentibus, caespitulis hypophyllis dense constipatis plagulas albo-cinereas angulosas efficientibus, hyphis brevibus, conidiis polymorphis.*

Hab. Ad folia languida *Jatrophae anisophyllae*, prope Córdoba, Apr. 1899 (T. Struckert).

Obs. Maculae diffusae flavescentes indeterminatae (2-5 mm diam.); caespituli, peronosporarum more, pulvinulos albo-cinereos farinosulos crassiusculos efficientes, semper hypophylli et nervationibus limitati; hyphae ellipticae v. cylindraceae, gibbosae, nodosae v. geniculatae (10-25 μ = 5-6 μ) hyalinae; conidia acro-pleuro-gena elliptica, cylindracea v. clavata (10-60 μ = 5-7 μ) continua v. 1-3-septata, ad septa non v. vix constricta, laevia, hyalina, saepius multiguttulata.

Species *C. pseudoidio* Speg. affinis, sed satis riteque distincta.

(Continuará)

NOVA ADDENDA

AD

FLORAM PATAGONICAM

AUCTORE

CAROLO SPEGAZZINI

(PARS I)

55. *ADESMIA SALICORNIoidES* Speg., n. sp.

Diag. *Patagonium*; *perennis caespitosa, valde carnosae glaberrimae, foliis confertis, stipularum subconnato-vaginantium lobis ovatis, petiolo brevissimo, foliolis 3 subteretibus obovatis, floribus in ramulis arogenis solitariis sessilibus, dentibus calycinis linearibus obtusis tubum aequantibus, corolla aurantia calyce duplo longiore, legumine 1-3-articulato nudo glabro.*

Hab. In fissuris rupium basalticarum loco *Karr-aik* vocato prope Lago Argentino, Mart. 1898 (C. A.).

Obs. Plantulae quandoque dense pulvinato-caespitosae (caespitibus 5-10 cm diam. = 4-5 cm crass.), quandoque relaxatae subeffusae, ramis semper obscure subdichotomis (1-10 cm long. = 2-3 mm crass.), deorsum vestigiis arescentibus sordide atro-fuscescentibus foliorum annorum praeteritorum vestitis, pseudoarticulatis, sursum virescentibus atque foliiferis. Folia conferta glaberrima carnosae, postice stipulis longe connato-vaginantibus (4-5 mm long.) subturbinatis, basin versus ex albido pallidissime purpurascens, apice liberis, lobis adpressis ovatis subobtusiusculis viridibus ornata, petiolo brevissimo e globoso obconico (1,5 mm long. = 1 mm crass.), foliolis tribus v. rarius duobus (impare saepe deciduo v. involuto) obovatis v. oblanceolatis (3-5 mm long. = 2-2,5 mm crass.), deorsum cuneatis, sursum breviter cuneato-rotundatis subteretibus, ad epiphyllum leniter canaliculatis v. depressis obsolete glaucescentibus, ad hypophyllum convexis plane enerviis. Flores ad apicem ramulorum solitarii sessiles

(8 mm long.); calyx obscure viridis turbinatus (4 mm long.) lobis parum inaequalibus linearibus obtusiusculis (saepelaxe subimperspicueque puberulis) tubum aequantibus; corolla post anthesin arescens et subpersistens e rubescenti aurantiaca, vexillo suborbiculari dorso glabro v. vix obsoletissime pulverulento-pubescente, alas et carinam pallidiores leniter superante, ovario 3-4-ovulifero glabro, stylo acuto tenui longiusculo armato. Legumina 4 v. 2 articulata, articulis mox deciduis ex orbiculari triangularibus (2,5 mm lat. et alt.) valde compressis nudis glabris.

Species eximia, habitu peculiari, fere Salicorniae cujusdam, mox dignoscenda.

56. *ADESMIA SUFFOCATA* Hook. f. = Speg., Plant. Pat. austr., n. 90.

Hab. Abunde in sabulosis aridissimis loco *Chonkenk-aik* vocato secus Rio Chico, Jan. 1897 (C. A.).

Obs. Legumina adhuc plane ignota nec unquam inventa!

57. *ADĒSMIA TEHUELCHA* Speg., n. sp.

Diag. *Chaetotricha*; perennis primo visu glabra sed pilis tuberculosus (glandulosus?) plus minusve hispida, ramis herbaceis pallide virentibus effuso-adscendentibus subsimplicibus, remote foliiferis, stipulis ovatis, petiolis crassis a medio folioliferis, foliolis crassis eveniis 3-jugis spathulatis obsolete laxissimeque scabridis, floribus ad apicem ramorum laxissime racemosis, in pedunculis scabridis hamatis folio v. bractea fulcrante longioribus acrogenis aurantiacis, calyce subhispido laciniis linearibus tubo longioribus, corolla glabra calycem fere duplo superante, leguminibus pluriarticulatis longe plumoso-setuliferis.

Hab. In altiplanitie altissima loco *Parr-aik* vocato secus Rio Sehuen, Apr. 1898 (C. A.).

Obs. Caudex...; rami majusculi deorsum prostrati, sursum arcuato-adscendentes crassi (20-45 cm long. = 3-5 mm crass.) succosi laete pallideque virides quandoque glaberrimi quandoque pilis simplicibus parvulis basi tuberculosus apice saepe guttula viscosa ornatis erectis adpersi non v. parce ramulosi, remote foliati; folia (10-30 mm long.) infera internodia non v. vix aequantia, supera longiora carnosula, stipulis inaequaliter ovatis obtusiusculis (4-5 mm long. = 3-3,5 mm lat.) saepius, margine praecipue, minute laxequae hispidulis, petiolo

crasso (2-20 mm long.) dorso convexo, ventri applanatulo non marginato, in juventute minute adpresseque puberulo, per aetatem sparse hispidulo, in senectute saepius glabrato, vix infra medium foliolifero; foliolis imparipinnatis (1-7) inferis 3-jugis superis saepe ad unicum terminale reductis, obovatis (5-12 mm long. = 2-5 mm lat.), postice cuneatis antice obtusissime rotundatis (sed rarissime subretusis) crasse carnosulis enerviis margine subrevolutis, in prima juventute adpresse minute canescenti-puberulis, dein ad epiphyllum laxissime pulverulento-puberulis, ad hypophyllum glabratis, postremo glabris vix margine obsolete remoteque scabrido-subdenticulatis. Flores (9 mm long.) in dimidia supera parte ramorum exsurgentes; pedunculis inferis folio fulcrante stipulato 1-3 foliolato, superis bracteas ovata elliptica v. spathulata hispidula basi ornatis, elongatis (10-30 mm long.) parum patentibus rectis sed apice abrupte recurvato-hamatis, laxe patuleque hispidulis, unifloris; calyce turbinato (6 mm long.) laxe minuteque hispidulo, lobis linearibus acutis tubum leniter superantibus; corolla calyce tertio longiore, vexillo glaberrimo subaurantiaco, alas et carinam e flavesciente ochroleucas vix superante. Legumina cernua 4-5 articulata, articulis ex orbiculari triangularibus (3,5 mm alt. = 3 mm lat.) setulis plumosis longis (5 mm long.) albis eleganter comatis, seminibus elliptico-ovatis, basi subtruncatulis (3 mm long. = 2 mm diam.) ex ochroleuco cinereis minute obsoleteque fusco-maculatis, glabris laevibus.

Species *A. karraikensi* Speg. valde affinis sed certe distincta, *A. Fernandezi* Ph. et *A. Torcae* Ph. nonnihil accedens.

58. *ADESMIA TRIJUGA* Gill. = Gay, Fl. Chil. II, f. 200.

Hab. In montuosis centralibus Chubut, Nov. 1898 (n. 74-86, Koslowsky).

59. *ADESMIA VILLOSA* Hook. f. = Speg., Plant. Pat. austr., n. 92. — *A. Morenonis* Harms in OK., Rev. gen. plant., III, 2, f. 70.

Hab. Non rara in montuosis *Pan de Azucar* vocatis prope Rio Chico, Dec. 1897 (C. A.), nec non in Valle Rio Mayo, Nov. 1898 (n. 120 Koslowsky).

Obs. Species *A. pumilae* Hook. f. longissime abhorrens nec quidem comparanda! Adest etiam varietas *acutifolia*, foliolis

adpresse longeque sericeis subargenteis foliolis lanceolatis acutis, sed nullo modo a typo separanda.

60. *VICIA BIJUGA* Gill. = Gay, Fl. Chil. II, f. 128.

Hab. Rarius in pratis editioribus prope *Chonkenk-aik* secus Rio Chico Jan. 1897 (C. A.).

Obs. Species *V. Saffordi* Ph. et *V. sericellae* Speg. valde affinis sed ut videtur satis distincta. Stipulae nectario destitutae; pedunculi puberuli prope basin articulati (2-3 mm long.); calyx turbيناتus adpresse puberulus (3 mm long.) dentibus subaequalibus late triangularibus acutiusculis (1 mm long.) donatus; corolla ochroleuca (6-7 mm long.) glabra vexillo suborbiculari alas carina aequilongas nonnihil superante donata; ovarium lineare, viride, glabrum 6-ovulatum.

61. *VICIA BIJUGA* Gill. var. *longipes* Speg.

Hab. In pratis herbosis loco *Salinas* dicto secus Rio Santa Cruz, Jan. 1882 (C. S.) et prope *Sehuen-aik* secus Rio Sehuen Febr. 1898 (C. A.).

Obs. A typo recedit foliis inferis obovatis obtusis mucronatis, superis linearibus acutis, pedunculis ante anthesin petiolo brevioribus v. aequilongis, post anthesin duplo et ultra longioribus.

62. *VICIA GRAMINEA* Sims. = Franchet, Miss. d. Cap. Horn., Phan. f. 331.

Hab. Non rara in dumetis ad ripas fluminis Rio Negro, Jan. et Febr. 1898 (C. S.).

63. *VICIA PATAGONICA* Hook. f. = Speg., Pl. Pat. austr. n. 99.

Hab. In herbosis *Chonkenk-aik* secus Rio Chico, Jan. 1897 et prope *Sehuen-aik* secus Rio Sehuen, Febr. 1898 (C. A.).

64. *VICIA PATAGONICA* Hook. f. var. *depauperata* (Clos). = Speg., Prim. Fl. Chub., n. 45.

Hab. In herbosis prope Isla Pavon, Febr. 1882 (C. S.) et secus Rio Deseado Jan. 1894, nec non prope *Chonkenk-aik* secus Rio Chico, Febr. 1898 (C. A.).

Obs. Pedunculi glabri v. pubescentes 2-4-flori; pedicelli pubescentes calyce subbreviores; flores (10-12 mm long.) erecti v.

patuli, calyce plus minusve adpresse laxequae puberulo-virescente v. coerulescente (3 mm long.) dentibus parum inaequalibus triangularibus acutiusculis, corolla glabra triplo longiore, vexillo obovato (9-9,5 mm long.) plus minusve late intenseque coeruleo, alas ex ochroleuco coerulescentes (8-8,5 mm long.) carina apice intense atro-coerulea (6,5 mm long.) longiores superante. Legumen lineare (16-30 mm long. = 4-5 mm lat.) glabrum 10-12 spermum — Huc ducenda tiam *V. Morenonis* Harms.

65. *VICIA MAGELLANICA* Hook. f. = Speg., Pl. Pat. austr., n. 98.

Hab. Non rara in pratis fertilioribus secus Rio Chico, Febr. 1898 (C. A.).

Obs. *Vicia magellanica* Hook. f., *V. Saffordi* Ph., *V. patagonica* Hook. f., *V. andicola* HBK., *V. andicola* Ph. nec non plurimae aliae limites inter se non habent, sed semper pedunculis pedicellis calyceque plus minusve pubescentibus donatae, idcirco formas v. varietates unius speciei, *V. setifoliae* HBK. tantum sistunt, sed a *V. graminea* Sims omnino glabrata longe abhorrent.

66. *VICIA NIGRICANS* H. et Arn. = Speg., Prim. flor. Chub., n. 46.

Hab. Non rara in dumetis prope Lago Nahuel-huapi, Dec. 1897 (C. S.).

Obs. Variat glabra et pubescens, foliis plus minusve magnis, foliolis ellipticis ovatis v. obovatis, stipulis integris dentatis v. laciniatis, pedunculis folia non aequantibus v. duplo triplove longioribus, etc.; *V. Macraei* H. & Arn., *V. fodinarum* Ph., *V. speciosa* Ph. etc. hujus speciei varietates tantum sistunt.

67. *VICIA SERICELLA* Speg., n. sp.

Diag. *Perennis laxè canescenti-sericea, caule debili prostrato apice ramoso adsurgente, foliis internodiis valde brevioribus, stipulis ovatis vix calcaratis, petiolo breviusculo, cirro simplice subbrevis, foliolis oblanceolatis, non v. calloso-mucronatis saepius 2-jugis, utrimque acutiusculis, ad hypophyllum subparallele longitudinaliter rugoso-sulcatis, floribus mediocribus in axillis superioribus sessilibus saepius geminatis, calycis pubescentis dentibus linearibus acutiusculis tubum subaequantibus, corollae glabrae*

vexillo coeruleo triplo calyce longiore alas carinamque albescentes longe superantes, ovario glabro.

Hab. In pratis vallis Lago Blanco, Nov. 1898 (n. 38-103, Koslowsky).

Obs. Stolones longissimi albescentes (10-25 mm long. = 1 mm crass.) nudi parce ramosi, ramis hinc inde superficem soli attingentes et abrupte ramulosis; ramuli arcuato-adscendentes (5-10 cm long. = 0,5-0,8 mm crass.) subsimplices virides tetragoni sulcati, minute patentim pilosuli, internodiis infimis (5-8 mm long.) et supremis (3-5 mm long.) brevibus, mediis valde elongatis (10-20 mm long.); folia laxe sericeo-pilosa viridi-canescens sericeo-nitentiuscula crassiuscula ad hypophyllum longitudinaliter semper et eximie rugosa, infera et suprema internodium aequantia, media duplo v. triplo breviora (10-12 mm long.), stipulis dimidiato-ovatis (4-5 mm long. = 2-2,5 mm lat.) integris apice acutis, basi rotundatis v. calcare brevi integro v. sub-2-3-denticulato acutoque ornatis nectario destitutis, petiolis brevibus (2-6 mm long.) in cirro (2-8 mm long.) mucroniformi v. elongatulo simplice plus minusve circinato productis, foliolis saepius 2-jugis (rarissime 4-3) oblanceolatis (5-9 mm long. = 1,5-2,5 mm lat.) deorsum elongato-cuneatis, sursum abbreviato-cuneatis inermibus v. mucrone albescente crasso brevique armatis, oppositis v. alternis inter se remotis v. approximatis. Flores ad axillas foliorum 3-6 superiorum enascentes, fere semper geminati, sessiles v. vix pedicellati (ped. 4 mm long.), patentes mediocres (9-10 mm long.), calyce turbinato viridi adpresse sericeo piloso, dentibus triangularibus acutis, inter se subaequilongis, tubum aequantibus donato, corolla glabra fere calycem ter aequante, vexillo coeruleo suborbiculari-obcordato (9-9,5 mm long. = 6 mm lat.) alas albo-ochroleucas carina alba minute coeruleo-maculata (5 mm long.) tertio longiores (6,5 mm long.) superante, staminibus alte connatis glabris, ovario oblanceolato (4,5 mm long. = 1,5 mm lat.) glaberrimo viridi 6-ovulato, stylo brevi crassiusculoque (1,5 mm long.) abrupte sursum refracto apiceque longe albo-barbato.

Species 2 caeteris hujusdem regionis distinctissima vix *V. Solisi* Ph. nonnihil accedens.